

CLEAN VERSION OF CLAIM 8

8. A method for quantitating the viral load, if any, found within samples applied to a microarray comprising the following steps:

identifying hybridization activity from an output pattern from at least two samples applied to at least one microarray;

generating a viral diffusion curve using at least two viral load measurements based on the identified hybridization activity;

mapping the identified hybridization activity to coordinates on the viral diffusion curve; and

quantitating the viral load by interpreting the coordinates of the viral diffusion curve.